

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : HITACHI LTD

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(54) OPTICAL AMPLIFIER

(57)Abstract:

PURPOSE: To maintain the previously set power ratio for a plurality of excitation light sources, resolve the bias of excitation light source outputs, improve the long term stability, and reduce the cost.

CONSTITUTION: In an optical amplifier constituted of a rare earth elements added optical fiber 2 and a plurality of excitation light sources 5, a function which detects outputs of a plurality of the excitation light sources and controls the relative outputs of a plurality of the excitation light sources is provided.

